

植物保护

云南省烟草野火病菌毒素的致病性评价*

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摘要 主要通过对烟草野火病菌菌株 (*Pseudomonas syringae* pv. *tabaci*) 致病力与其粗毒素毒力的相关性的研究, 评价了烟草野火病菌毒素在致病过程中的作用。结果表明: ①野火菌毒素毒力与其菌株的致病力呈极显著相关性, 相关系数 r 达0.928; ②高感和中感品种K326, 云85对病原菌的感病性与对菌毒素的敏感性在 $P<0.05$ 的水平上有相关关系; ③从病斑处可以分离到该毒素, 再接种能重现野火病症状; ④抑菌物质对病原菌和病菌毒素的抑制作用相一致。

关键词 [烟草野火病菌](#); [野火菌毒素](#); [致病力](#); [毒力](#)

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The Pathogenicity Appraising of Tabtoxin in *Pseudomonas syringae* pv. *Tabaci* in Yunnan

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Abstract

The pathogenicity of tabtoxin is appraised mostly based on whether the pathogenicity of strains is correlative or not with the virulence of their tabtoxins. The results are that: ①The correlation of the tabtoxins *virulence and the strains* pathogenicity is best significant and the coefficient is 0.928; ②The reaction of Yunyan 85 and K326 to the strains and their tabtoxins is correlative at $P<0.05$ level; ③Tabtoxin could be isolated from the disease area and brings about the wild-fire symptom again; ④The inhibitory action of inhibitory substance to the strains and their tabtoxins are in agreement.

Key words [Pseudomonas syringae](#) pv. [tabaci](#); [tabtoxin](#); [pathogenicity](#); [virulence](#)

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